

WHAT IS CLAIMED IS:

1. A navigation device comprising:

a route searching means which searches a route from a present
5 position of a vehicle to a destination;

a route guiding means which extracts intersections existing on the
route searched by said route searching means and calculates a distance from
the present position of the vehicle to each of the intersections; and

a display means which displays the route searched by said route
10 searching means and further displays the distance to each intersection and a
name of each intersection extracted by said route guiding means.

2. The navigation device according to Claim 1, wherein said route
guiding means is adapted to confirm passage of the intersection by the
15 vehicle and to give a change command with respect to the intersection to be
displayed to the display means.

3. The navigation device according to Claim 1, wherein said display
means is adapted to display a direction of travel at an intersection when the
20 intersection extracted by said route guiding means is a turning point
intersection.

4. The navigation device according to Claim 1, wherein said display
means is adapted to display an intersection with emphasis when the
25 intersection extracted by said route guiding means is a turning point
intersection.

5. The navigation device according to Claim 1, wherein said display
means is adapted to display a fact of a non-recordal of an intersection name

when the name of the intersection extracted by said route guiding means is not recorded on a map information.

6. The navigation device according to Claim 1, wherein said display means is adapted to generate a temporary name of an intersection from information related to the intersection and to display the temporary name, when a name of the intersection extracted by said route guiding means is not recorded on a map information.

7. The navigation device according to Claim 1, wherein said display means is adapted to display a landmark or a traffic signal mark together with the name of an intersection when information about the landmark or the traffic signal mark related to the intersection extracted by said route guiding means is recorded on a map information.

8. The navigation device according to Claim 1, wherein said display means is adapted to display intersections at points of congestion with emphasis when congestion information with respect to the route searched by said route searching means is received.

9. A navigation method comprising the steps of:
searching a route from a present position of a vehicle to a destination;
extracting intersections existing on said route;
calculating a distance from the present position to each intersection;
and
displaying the route, the distance to each intersection and the name of each intersection.

10. The navigation method according to Claim 9, which is adapted to change an intersection to be displayed upon confirmation of the vehicle passing through the intersection.

5 11. The navigation method according to Claim 9, which is adapted to display a direction of travel at an intersection when the intersection existing on the route is a turning point intersection.

10 12. The navigation method according to Claim 9, which is adapted to display an intersection with emphasis when the intersection existing on the route is a turning point intersection.

15 13. The navigation method according to Claim 9, which is adapted to display a fact of a non-recordal of an intersection name when the name of the intersection existing on the route is not recorded on a map information.

20 14. The navigation method according to Claim 9, which is adapted to generate a temporary name of an intersection from information related to the intersection and to display the temporary name, when a name of the intersection existing on the route is not recorded on a map information.

25 15. The navigation method according to Claim 9, which is adapted to display a landmark or a traffic signal mark together with the name of an intersection when information on the landmark or the traffic signal mark related to the intersection existing on the route is recorded on a map information.

16. The navigation method according to Claim 9, which is adapted to display intersections at points of congestion with emphasis when congestion

information with respect to the searched route is received.